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States Government

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Department of Energy

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Rocky Flats Office

# memorandum

## ACTION

DIST. LTR ENC

BENEDETTI, R.L.	
BENJAMIN, A.	
BERMAN, H.S.	
CARNIVAL, G.J.	
COPP, R.D.	
CORDOVA, R.C.	
DAVIS, J.G.	
FERRERA, D.W.	
FRANZ, W.A.	
HANNI, B.J.	
HEALY, T.J.	
HEDAHL, T.G.	
HILBIG, J.G.	
HUTCHINS, N.M.	X
KIRBY, W.A.	X
KUESTER, A.W.	
MAHAFFEY, J.W.	
MANN, H.P.	
MARX, G.E.	
McKENNA, F.G.	
MORGAN, R.V.	
PIZZUTO, V.M.	
POTTER, G.L.	
SANDLIN, N.B.	
SATTERWHITE, D.G.	
SCHUBERT, A.L.	
SETLOCK, G.H.	
SULLIVAN, M.T.	
SWANSON, E.R.	
WILKINSON, R.B.	
WILSON, J.M.	

DEC 14 1993

ERD:SRG:13762

High Risk Sites at Rocky Flats

Autar Rampertaap, Chief Rocky Flats Branch, EM-453

This memorandum responds to the November 23, 1993, memorandum from R. P. Whitfield concerning "Identification of High Risk Sites in the DOE Environmental Restoration Program." We provided cc:Mail and telefax responses on December 7, 1993. Attached is a copy of the response.

If you have any questions, please contact Scott Grace at extension 7199.

Busby W X

*Martin H. McBride*

Martin H. McBride  
Acting Assistant Manager  
Environmental Restoration

Attachment

cc w/ Attachment:  
N. Hutchins, EG&G  
W. Busby, EG&G

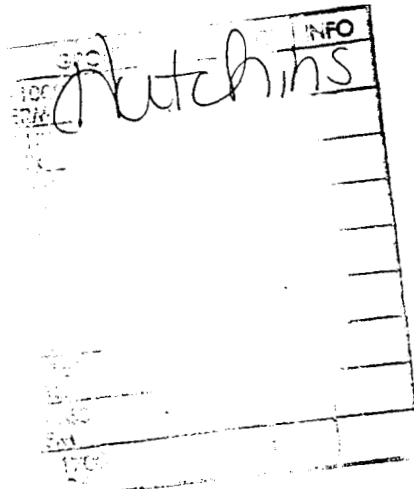
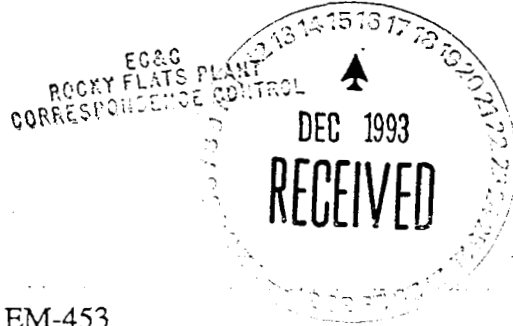
CORRES CONTROL	x	x
PATS/T130G		
ADRN RECORD/080	2	2

Reviewed for Addressee  
Corres. Control RFP

12-15-93 Cui  
DATE BY

Ref Ltr. #

DOE ORDER # 5400.1



As per your request of yesterday concerning the November 23, 1993 P. Whitfield request for the identification of the remediation sites that pose the greatest risk to the public, worker health or the environment, we have the following response. This was discussed with Martin McBride (AMER) and Al Pauole on Tuesday December 7.

Although there is a potential high risk associated with the contamination in the site buildings, the following are the three highest environmental restoration sites:

**OU4. Solar Ponds.** The five solar ponds were used to treat and store low level nitrate bearing wastes. Major contaminants include: plutonium, nitrates, tritium, cadmium, and chromium. The risk assessment has not been completed. Schedules: pond wastes are scheduled to be removed and stored in FY94. The IM/IRA is to address source and soils. Documentation of the RCRA closure of the units is schedule to be initiated in FY94 and initiation of the actual closure is scheduled to begin in FY95. Reference documents include the Historical Release Report, the Final Phase I RFI/RI Work Plan and current site information.

**OU2. 903 Pad, Mound, and East Trenches.** Surface soil, subsurface soil and groundwater are contaminated due to leakage of stored drums, and wastes buried in trenches. Major contaminants include plutonium, americium, PCE (tetrachloethlene), TCE(trichloroethene), and CCl4 (carbon tetrachloride). The risk assessment has not been completed. Schedules: two IM/IRAs have been approved and are underway; and the scoping of an expedited action has begun. Selection of a final remedy is scheduled for FY99. Reference documents include Report, the Final Phase II RFI/RI Work Plan, preliminary Draft Phase II RFI/RI Report, and current site information.

**OU6. Walnut Creek Drainage's.** The "B" series ponds contain sediments contaminated with PCBs and plutonium/americium. The risk of the sediments has not been determined (risk of the water is  $10E-6$ ). Schedule: The RFI/RI Report was scheduled for completion in FY94. Selection of a final remedy is planned for FY97. Reference documents include the Historical Release Report, the Final RFI/RI Work Plan, the preliminary draft RFI/RI Report, and current site information.